BBA

Molecular Basis of Disease

Vol. 1138, 1992

Cumulative Contents

Information for Contributors *vii*

Regular Papers

Altered glucose metabolism in adriamycin-induced heart failure
J.C. Chatham, G.M. Hutchins and J.D. Glickson (U.S.A.) 1

The chemical characterization of melanin contained in substantia nigra of human brain
L. Zecca, C. Mecacci, R. Seraglia and E. Parati (Italy) 6

Peroxide-metabolizing systems of the crystalline lens
M.A. Babizhayev, A.I. Deyev and A.V. Chernikov (U.S.S.R.) 11

Niemann-Pick Type II fibroblasts exhibit impaired cholesterol esterification in response to sphingomyelin hydrolysis
D.M. Byers, M.W. Morgan, H.W. Cook, F.B. St. C. Palmer and M.W. Spence ((Canada)) 20

A novel polymorphism of apolipoprotein A-IV is the result of an asparagine to serine substitution at residue 127
H. Tenkanen, P. Koskinen, J. Metso, M. Baumann, M. Lukka, R. Kauppinen-Mäkelin, K. Kontula, M.-R. Taskinen, M. Mänttäri, V. Manninen and C. Ehnholm (Finland) 27

Large deletion of androsterone UDP-glucuronosyltransferase gene in the inherited deficient strain of Wistar rats
H. Homma, H. Kawai, M. Kubota and M. Matsui (Japan) 34

The validity of the cholesterol nucleation assay
M.A.C. De Bruijn, C. Noordam, B.G. Goldhoorn, G.N.J. Tytgat and A.K. Groen (The Netherlands) 41

Lithium treatment of affective disorders: effects of lithium on the inositol phospholipid and cyclic AMP signalling pathways
D.J. Sillence and C.P. Downes (U.K.) 46

Factor XIII-dependent generation of 5th complement component(C5)-derived monocyte chemotactic factor coinciding with plasma clotting
M. Okamoto, T. Yamamoto, S. Matsubara, I. Kukita, M. Takeya, Y. Miyauchi and T. Kambara (Japan) 53

Molecular interaction between HIV-1 major envelope glycoprotein and dextran sulfate
E. Mbemba, V. Chams, J.-C. Gluckman, D. Klatzmann and L. Gattegno (France) 62

Expression of the mouse c-*abl* type IV proto-oncogene product in the insect cell baculovirus system
T.C. Peakman, C.H. Reynolds, M.G. Willson, J.D. Moore, P. Spence, M. Sydenham, D.J. Linstead, D.R. Gewert and M.J. Page (U.K.) 68

Interleukin-1 inhibits PGE_2 binding to macrophage-like $P388D_1$ cells by a cyclic AMP-independent process
M.G. Rae, D. Rotondo, A.S. Milton and A.K. Dutta-Roy (U.K.) 75

Fatty acid β-oxidation in leukocytes from control subjects and medium-chain acyl-CoA dehydrogenase deficient patients
R.J.A. Wanders and L. Ijlst (Netherlands) 80

Regular Papers

Cytotoxic effects of rheumatoid arthritis sera on chondrocytes
D. Mettal, K. Brune and J. Mollenhauer (Germany) 85

Altered ratio of collagen chains in bone of a patient with non-lethal osteogenesis imperfecta
B.P. Sokolov, B.M. Sher, J. Hausmann, I. Mařik, Z. Deyl and V.N. Kalinin (U.S.S.R., Czechoslovakia) 93

Methylated lysine in storage body protein of sheep with hereditary ceroid-lipofuscinosis
M.L. Katz and K.O. Gerhardt (U.S.A.) 97

Production of monoclonal antibodies against the B700 murine melanoma antigen and their antimetastatic properties
D.M. Gersten, D. Moody, W.D. Vieira, L.W. Law and V.J. Hearing (U.S.A.) 109

Identification of several cyclosporine binding proteins in lymphoid and non-lymphoid cells in vivo
B.M.J. Foxwell, G. Woerly, H. Husi, A. Mackie, V.F.J. Quesniaux, P.C. Hiestand, R.M. Wenger and B. Ryffel (Switzerland) 115

Study on the mechanism of *Giardia lamblia* induced diarrhoea in mice
S. Gorowara, N.K. Ganguly, R.C. Mahajan and B.N.S. Walia (India) 122

Structure of the EF corner favors deamidation of asparaginyl residues in hemoglobin: the example of Hb La Roche-sur-Yon [β81 (EF5) Leu → His]
H. Wajcman, J. Kister, C. Vasseur, Y. Blouquit, J.C. Trastour, D. Cottenceau and F. Galacteros (France) 127

Membrane-associated and secreted proteoglycans from a continuous cell line derived from fibrotic schistosomal granulomas
L.-C.F. Silva, R. Borojevic and P.A.S. Mourão (Brazil) 133

Cell-to-cell contact between normal fibroblasts and lymphoblasts deficient in lysosomal enzymes
P. Di Natale, T. Annella, A. Daniele, R. Negri and L. Nitsch (Italy) 143

Human HuH-7 hepatoma cells express urokinase and plasminogen activator inhibitor-1: identification, characterization and regulation by inflammatory mediators
A. Arndt, P. Murphy and D.A. Hart (Canada) 149

Stimulation of arachidonic acid metabolism by a streptococcal preparation (OK-432) in rat peritoneal macrophages
M. Watanabe, Y. Shishido, N. Hirasawa, S. Mue, H. Fujiki and K. Ohuchi (Japan) 157

Conformational integrity of a recombinant toxoid of *Pseudomonas aeruginosa* exotoxin A containing a deletion of glutamic acid-553
K.P. Killeen and R.J. Collier (U.S.A.) 162

Abnormal expression of urea cycle enzyme genes in juvenile visceral steatosis (jvs) mice
M. Tomomura, Y. Imamura, M. Horiuchi, T. Koizumi, H. Nikaido, J.-I. Hayakawa and T. Saheki (Japan) 167

Regular Papers

Studies of the permeation properties of glomerular basement membrane: cross-linking renders glomerular basement membrane permeable to protein
H.A. Walton, J. Byrne and G.B. Robinson (U.K.) 173

Decreased tubulin synthesis in synoviocytes from adjuvant-induced arthritic rats
R. Ramos-Ruiz, J. Avila, J.P. López-Bote, C. Bernabeu and V. Larraga (Spain) 184

Synthesis of structurally unstable type III procollagen in patients with cerebral artery aneurysm
K. Majamaa, E.-R. Savolainen and V.V. Myllylä (Finland) 191

The structural mimicry of membrane sterols by tamoxifen: evidence from cholesterol coefficients and molecular-modelling for its action as a membrane anti-oxidant and an anti-cancer agent
H. Wiseman, M. Cannon, H.R.V. Arnstein and D.J. Barlow (U.K.) 197

Lipid metabolism in large T47D human breast cancer spheroids: ^{31}P- and ^{13}C-NMR studies of choline and ethanolamine uptake
S.M. Ronen, E. Rushkin and H. Degani (Israel) 203

Characterization of different proteolytic activities in *Trypanosoma brucei brucei*
G. Huet, C. Richet, D. Demeyer, H. Bisiau, B. Soudan, D. Tetaert, K.K. Han and P. Degand (France) 213

Ageing of the human corneal stroma: structural and biochemical changes
N.S. Malik, S.J. Moss, N. Ahmed, A.J. Furth, R.S. Wall and K.M. Meek (U.K.) 222

Unimpaired formation of hormone-stimulated inositol trisphosphate in human mesangial cells under hyperglycemic conditions
L. Greenberg, A.Q. Urbanes and J.A. Shayman (U.S.A.) 229

Branched chain acyltransferase absence due to an Alu-based genomic deletion allele and an exon skipping allele in a compound heterozygote proband expressing maple syrup urine disease
W.J. Herring, M. McKean, N. Dracopoli and D.J. Danner (U.S.A.) 236

Activation of human plasma prekallikrein by *Pseudomonas aeruginosa* elastase. II. Kinetic analysis and identification of scissile bond of prekallikrein in the activation
H. Tanaka, T. Yamamoto, Y. Shibuya, N. Nishino, S. Tanase, Y. Miyauchi and T. Kambara (Japan) 243

Titles of Related Papers in Other Sections 251

Review

Adenosine deaminase deficiency: a model system for human somatic cell gene correction therapy
M.A. Vega (Germany) 253

Regular Papers

Primary structure differences of human surfactant-associated proteins isolated from normal and proteinosis lung
T. Voss, K.P. Schäfer, P.F. Nielsen, A. Schäfer, C. Maier, E. Hannappel, J. Maaßen, B. Landis, K. Klemm and M. Przybylski (Germany) 261

Ethanol-responsive gene expression in neural cell cultures
M.F. Miles, J.E. Diaz and V. DeGuzman (U.S.A.) 268

A procedure for selecting mammalian cells with an impairment in oxidative phosphorylation
M.C.P. Lombardo, J.W. Van der Zwaan, S. Brul and J.M. Tager (The Netherlands, Italy) 275

Anti-idiotypic and anti-anti-idiotypic responses to a monoclonal antibody directed to the acetylcholine receptor binding site of curaremimetic toxins
L. Pillet, I. Charpentier, M. Léonetti and A. Ménez (France) 282

Apolipoprotein B-32: a new truncated mutant of human apolipoprotein B capable of forming particles in the low density lipoprotein range
S.P.A. McCormick, A.P. Fellowes, T.A. Walmsley and P.M. George (New Zealand) 290

Proteolytic susceptibility of the central domain in chicken gizzard and skeletal muscle dystrophins
N. Augier, J. Leger, A. Robert, F. Pons, J.J. Leger and D. Mornet (France) 297

High resolution proton magnetic resonance spectroscopy of cyst fluids from patients with polycystic kidney disease
P.J.D. Foxall, R.G. Price, J.K. Jones, G.H. Neild, F.D. Thompson and J.K. Nicholson (U.K.) 305

Two small deletion mutations of the *HEXB* gene are present in DNA from a patient with infantile Sandhoff disease
B. McInnes, C.A. Brown and D.J. Mahuran (Canada) 315

Enhanced localization of liposomes with prolonged blood circulation time in infected lung tissue
I.A.J.M. Bakker-Woudenberg, A.F. Lokerse, M.T. Ten Kate and G. Storm (The Netherlands) 318

T lymphocytes increase the synthesis of esterified cholesterol in human monocyte-derived macrophages by activation of the scavenger pathway
H. Kotake, S. Oikawa, T. Naito, K. Hayasaka and T. Toyota (Japan) 327

Mannose 6-phosphate/insulin-like growth factor II receptor in I-cell disease fibroblasts: increased synthesis and defective regulation of cell surface expression
T. Braulke, S. Tippmer, U. Matzner, C. Gartung and K. Von Figura (Germany) 334

Simultaneous reduction of the sarcolemmal and SR calcium ATPase activities and gene expression in cardiomyopathic hamster
T.H. Kuo, W. Tsang, K.K.W. Wang and L. Carlock (U.S.A.) 343

Rapid Reports

Linear correlation between acetoacetate/β-hydroxybutyrate in arterial blood and oxidized flavoprotein/reduced pyridine nucleotide in freeze-trapped human liver tissue
K. Ozawa, B. Chance, A. Tanaka, S. Iwata, T. Kitai and I. Ikai (Japan, USA) 350

A newly identified null allelic mutation in the human lipoprotein lipase (LPL) gene of a compound heterozygote with familial LPL deficiency
T. Gotoda, N. Yamada, T. Murase, S. Miyake, R. Murakami, M. Kawamura, K. Kozaki, N. Mori, H. Shimano, M. Shimada and Y. Yazaki (Japan) 353

Cumulative Contents, Vol. 1138 357

Author Index 361